

**IN THE CLAIMS:**

Please amend claim 16 and 19 and add new claims 31-32 as follows:

C8 sub D  
16. (amended) Isolated neurotrypsins having the sequences of formulas I and II:

I: neurotrypsin of the human (SEQ ID NO: 1); and

II: neurotrypsin of the mouse (SEQ ID NO: 3).

C9  
19. (amended) A method for the development of pharmaceutical drugs comprising,

providing isolated proteins having the coded amino acid sequences of SEQ ID NOS: 1

or 3 and using said proteins as targets for said pharmaceutical drugs.

sub D2  
Please add new claims 31-32 as follows:

-- 31. (new) The method of claim 19, wherein said pharmaceutical drugs inhibit or enhance the catalytic activity of the coded proteins having the coded amino acid sequences of SEQ ID NOS: 1 or 3.

sub D3  
C10  
32. (new) The method of claim 19, wherein said proteins having the coded amino acid sequences of SEQ ID NOS: 1 or 3 are obtained by purification of a natural source, or are produced by recombinant protein expression using eucaryotic or procaryotic expression vectors, followed by purification of the proteins. --